
Overview

This national occupational standard is about performing inspection work on plant and apparatus in an electricity power utilities environment. It includes the processes and procedures that need to be rigorously and methodically followed to make sure that the finished work meets the quality assurance and operating specifications set by the organisation. It also involves using a range of tools and equipment that are fit for purpose and the wearing of personal protective equipment when performing work activities.

Performance criteria

- You must be able to:*
- Plan to inspect plant and apparatus
 - 1 determine the work location using company documentation and work instructions
 - 2 conduct a site specific risk assessment in accordance with health and safety regulations
 - 3 determine the content and sequence of tasks needed to complete the work activity
 - 4 inform parties directly and indirectly responsible for completing the work activity of the work plan
 - 5 plan and carry out all work in line with company policy and work procedures
 - Prepare to inspect plant and apparatus
 - 6 inspect, prepare and carry out pre use checks on tools and equipment required to complete work activity in accordance with work instructions and equipment specifications
 - 7 select and wear required personal protective equipment when completing work activities in accordance with health and safety regulations
 - 8 apply and follow control measures in line with safe control systems requirements
 - 9 locate and establish the plant and equipment to be inspect in accordance with authorisation procedures
 - Inspect plant and apparatus
 - 10 inspect plant and apparatus in accordance with equipment specification, inspection procedures and work instructions
 - 11 record defects and determine variations in the performance of the plant and apparatus against its operating specification and performance
 - 12 follow and maintain safe working and environment practices in accordance with health and safety regulations and environmental legislation throughout the duration of the work
 - Restore and reinstate work location
 - 13 store tools and equipment on completion of the work activity
 - 14 dispose of waste materials and hazardous substances
 - 15 leave the work area in a condition which is consistent with good housekeeping practice
 - Use and communicate data and information
 - 16 report unavailable or defective tools, equipment and resources
 - 17 read and interpret company work instructions and supporting documentation
 - 18 maintain documentation and report the results and findings of inspect work and activities
 - Resolve problems effectively and efficiently
 - 19 Deal with problems within the limits of own job role responsibility
 - 20 Report problems outside job role responsibility to designated personnel

Knowledge and understanding

You need to know and understand:

General

- 1 the main principles of health and safety and environmental legislation and regulations
- 2 the company reporting lines and authorisation roles and responsibilities
- 3 the company policies and procedures that directly impact on the work to be undertaken

Work area

- 4 the company procedures and processes for reporting problems with tools and equipment
- 5 read and interpret the procedures and information sources used to make sure that tools and equipment are fit for purpose and safe to use
- 6 what processes and procedures need to be followed and complied with when inspecting and preparing tools and equipment prior to use
- 7 read and interpret instructions on how to use tools and equipment safely and the processes and requirements for undertaking routine checks
- 8 what personal protective equipment needs to worn when undertaking work activities
- 9 what materials and substances are dangerous and hazardous to health
- 10 how to maintain safe working and environmental practices throughout the duration of the work
- 11 how to minimise risks to self and others when undertaking work activities
- 12 company work instruction, information and reporting systems and documentation
- 13 how to respond to the different types and categories of emergency situations that might occur
- 14 what inspection processes and equipment to use for a specific and given purpose
- 15 how read and analyse inspection data, interpret and record findings
- 16 how to recognise and report inaccurate and incorrect work instructions and documentation

Behaviours

You work in a manner which:

1. recognises and acts when others need support
2. takes responsibility for resolving problems in your work area

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